CLAIMS

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1	1.	A method comprising:		
2		fixing a logical identifier for a signal line at an egress interface;		
3		mapping a first physical identifier for a first physical signal line to the		
4	logical identifier; and			
5		remapping a second physical identifier for a second physical signal line		
6	to the logica	al identifier responsive to a line failure on the first physical signal line.		

- The method of claim 1 wherein mapping comprises:
 writing to a cross connect table and wherein remapping comprises
 rewriting the cross connect table.
- 3. The method of claim 1 further comprising:
 switching a signal from a second physical signal line to a physical line corresponding to the logical identifier responsive to the remapping.
- 4. The method of claim 1 wherein fixing comprises:
 assigning an identifier to each port of the egress interface during initialization; and
 preventing change to the identifier after initialization.
- 1 5. The method of claim 1 wherein the signal line is a synchronous optical networking (SONET) line.
- 6. An apparatus comprising:
 a bus interface;
 an ingress time slot interchange (ITSI) module;
 a switch fabric coupled to the ITSI module;
 an egress time slot interchange (ETSI) module having a plurality of
 inputs, each input assigned a logical identifier which remains fixed after
 initialization; and

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8		a translation module to translate an incoming signal identifier to one				
9	of the logical identifiers independent of a physical line on which the signal is					
10	received.					
1 2	7.	The apparatus of claim 6 wherein the translation module comprises: a cross connect table.				
1	8.	The apparatus of claim 1 further comprising:				

- a bus coupled to the bus interface;
 a termination module coupled to the bus; and
 a line interface having an optical to electrical (O/E) and electrical to optical (E/O) converter.
- 9. The apparatus of claim 6 wherein the apparatus is implemented as an ASIC on a backplane of a line card.